Performance Data Sheet

RGA5485EXA

General Information

Model	RGA5485EXA	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2700	2530					
	Watts	399	432					
	Amps	3.94	4.21					
	Lb/h	34.6	33.8					
-10	Btu/h	3010	2830	2670				
	Watts	408	443	480				
	Amps	4.03	4.31	4.61				
	Lb/h	38.5	37.6	37.0				
-5	Btu/h	3390	3180	3010	2840			
	Watts	417	453	493	535			
	Amps	4.12	4.41	4.74	5.07			
	Lb/h	43.1	42.1	41.5	40.8			
0	Btu/h	3820	3590	3400	3210	3010		
	Watts	425	462	505	551	596		
	Amps	4.20	4.51	4.85	5.21	5.57		
	Lb/h	48.4	47.3	46.6	46.0	44.9		
5	Btu/h	4330	4070	3850	3650	3430		
	Watts	432	471	516	566	616		
	Amps	4.27	4.59	4.95	5.34	5.74		
	Lb/h	54.5	53.2	52.5	51.8	50.8		
10	Btu/h	4910	4610	4360	4130	3890	3610	3260
	Watts	439	478	525	578	633	687	736
	Amps	4.33	4.65	5.04	5.45	5.89	6.33	6.76
	Lb/h	61.3	59.9	59.0	58.3	57.4	55.7	52.9
15	Btu/h	5560	5220	4940	4680	4420	4120	3750
	Watts	445	484	533	589	649	708	765
	Amps	4.37	4.71	5.11	5.56	6.03	6.52	7.00
	Lb/h	69.1	67.4	66.4	65.6	64.6	63.0	60.4
20	Btu/h	6300	5910	5590	5290	5000	4670	4290
	Watts	449	489	539	599	662	728	791
	Amps	4.40	4.74	5.16	5.64	6.16	6.69	7.23
	Lb/h	77.7	75.7	74.5	73.6	72.6	71.1	68.5

25	Btu/h	7120	6680	6310	5970	5640	5290	4880
	Watts	453	492	544	606	674	745	815
	Amps	4.41	4.77	5.20	5.71	6.26	6.84	7.43
	Lb/h	87.2	85.0	83.5	82.5	81.4	79.9	77.4
30	Btu/h	8020	7530	7110	6730	6360	5970	5520
	Watts	455	494	547	611	683	759	836
	Amps	4.41	4.77	5.22	5.75	6.34	6.97	7.62
	Lb/h	97.7	95.1	93.4	92.2	91.1	89.5	87.0
35	Btu/h	9020	8470	7990	7550	7140	6710	6230
	Watts	456	494	548	614	689	770	854
	Amps	4.39	4.75	5.23	5.78	6.40	7.08	7.78
	Lb/h	109	106	104	103	102	99.9	97.5
40	Btu/h	10100	9490	8950	8460	7990	7520	7000
	Watts	455	492	547	615	693	779	869
	Amps	4.34	4.72	5.20	5.79	6.44	7.16	7.92
	Lb/h	122	118	116	114	113	111	109
45	Btu/h	11300	10600	10000	9450	8930	8400	7840
	Watts	453	489	543	613	695	785	880
	Amps	4.28	4.66	5.16	5.77	6.46	7.22	8.03
	Lb/h	135	132	129	127	125	123	121
50	Btu/h	12600	11800	11200	10500	9940	9360	8750
	Watts	449	483	538	609	693	788	889
	Amps	4.19	4.58	5.09	5.72	6.45	7.25	8.12
	Lb/h	150	146	143	141	139	137	134
55	Btu/h	14000	13200	12400	11700	11000	10400	9730
	Watts	443	476	530	602	689	788	894
	Amps	4.08	4.47	5.00	5.65	6.41	7.26	8.17
	Lb/h	166	161	158	155	153	151	148

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.088647E+04	7.483710E+02	5.256993E+00	1.262855E+02
C2	1.785017E+02	1.010106E+01	6.658490E-02	1.919247E+00
C3	-1.836954E+02	-1.500943E+01	-7.416438E-02	-2.268750E+00
C4	2.238705E+00	2.681271E-02	-1.031701E-04	2.077619E-02
C5	-1.499828E+00	-2.193522E-01	-1.415494E-03	-1.585662E-02
C6	1.610465E+00	1.822402E-01	1.005956E-03	2.204177E-02
C7	5.221128E-03	-1.501949E-04	-1.869388E-06	5.255980E-05
C8	-1.083309E-02	-5.159170E-04	-1.300495E-06	-6.803455E-05
C9	5.570960E-03	1.409560E-03	9.618361E-06	7.603193E-05
C10	-5.223283E-03	-5.644539E-04	-3.051932E-06	-7.320087E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature